19990615.ba v02_n581.bam.990615

>From ???@??? Tue Jun 15 16:50:15 1999
Message-Id: <199906151737.d5FHb8008965@sco.theporch.com>
Date: Tue, 15 Jun 1999 12:36:34 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2581

BOATANCHORS Digest 2581

Topics covered in this issue include:

1) UTC Transformer Data?
by "Jay H. Miller" <jmiller@teleteam.net>
2) Portable Paint Sprayer
by "Arden Allen" <gumbear@pacbell.net>
3) Re: THE END...CW PLAYPEN (2)
by "Arden Allen" <gumbear@pacbell.net>
4) Manual Copy Needed
by "Spencer Petri" <wa5jci@flash.net>
5) Re: THE END...CW PLAYPEN (2)
by "Ray A. Allen, Sr." <w2kbr@pcbank.net>
6) Re: UTC Transformer Data?
by "Larry Bearse" <lbearse@mail1.nai.net>
7) Radio/Historic Stories
by Jerry Proc <jproc@idirect.com>
8) Soldering to Headphone Tinsel Cord
by Jim Hill <jshillw6ivw@earthlink.net>
9) Re: Soldering to Headphone Tinsel Cord
by N5CM@aol.com
10) Travels Abroad
by Dexter Francis <cwest@xmission.com>
11) Re: Soldering to Headphone Tinsel Cord
by "Roberta J. Barmore" <rbarmore@indy.net>
12) plug and part request
by "Paul Bernhard Sr." <w2tu@email.msn.com>
13) RE: Simpson 260 bat...
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
14) My Computer has a Boatanchor
by "James R. Binkley" <w4aos@his.com>
15) ME-180/USM-116 Manual Needed
by "James R. Binkley" <w4aos@his.com>
16) Re: BC-348 Models
by Ken Corwin <kenc2@pacbell.net>
17) Simpson 260's and VOM reliability
by "Arden Allen" <gumbear@pacbell.net>
18) Re: My Computer has a Boatanchor

by "Arden Allen" <gumbear@pacbell.net>
19) RE: My Computer has a Boatanchor
by cswiger <cswiger@wilma.widomaker.com>
20) SX-73 Ballast Tube
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
21) Estate Gear
by "Ray A. Allen, Sr." <w2kbr@pcbank.net>
22) Glitch
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>

Message-Id: <l03130300b38b12a3d3cd@[199.34.24.11]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 14 Jun 1999 15:13:26 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Jay H. Miller" <jmiller@teleteam.net>
Subject: UTC Transformer Data?

Anyone have specs on:

LS-31
LS-89

Maybe we should put together a website? UTC has one (under the new name)
but does not list these two.

73

*********** ################### ***********
Jay H. Miller, KK5IM   Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
Coming this Summer: A Pictorial History of Collins Amateur Radios
ARRL * AMI#846 * DXCC
E-Mail: jmiller@teleteam.net Home Page: http://www.teleteam.com/~jmiller/
***** Proud to be 100% Macintosh since 1984! *****

Message-Id: <199906142110.OAA14237@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Portable Paint Sprayer
Date: Mon, 14 Jun 1999 14:11:24 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Painters of BA's and other fine works of art;

While bumming around the paint department of the local Home Depot I asked about gas bottle spray guns and was introduced to the Preval spray gun. Instead of bothering everyone with a description I recommend visiting their website at:

<http://www.prevalspraygun.com>

Has anybody used this gadget and what was your experience? Thumbs up or thumbs down?

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-Id: <199906142112.OAA14995@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: THE END...CW PLAYPEN (2)
Date: Mon, 14 Jun 1999 14:14:07 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Another way to distinguish between an 'aural' (language based) mode and a 'robotic' (machine based) mode is by the fact that a language depends on "expression", i. e., a combination of symbols and *inflection*. A machine based mode similarly uses symbols but it lacks inflection. The 'inflection' in Morse code is governed by timing (dot-dash-space ratios) primarily and secondarily by non-symbolic expressions such as strung out dits to represent pause or waiting, holding of a frequency, announcing an operator presence, etc. Expression is a combination of symbols, nuance applied to symbols and the context of the communication in progress. A machine based mode cannot derive intelligence from any signal form that does not match a predetermined list of symbols nor can it correct for recognizable errors in the base language without a highly sophisticated error correction program.

CW is an "aural" mode because the message-mind boundary is the EAR. RTTY, AMTOR, and Packet and the various telecommunications modes (e-mail) are "robotic" modes because they all require non- or semi- adaptable (error correcting) high maintenance electro-mechanical systems for transmission and reception, something humans cannot do in a timely sense. CW is NOT compatible with the ROBOTIC modes and cannot share frequencies simultaneously.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-ID: <001901beb6b0$0c32aea0$14271ed1@wa5jci>
From: "Spencer Petri" <wa5jci@flash.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Manual Copy Needed
Date: Mon, 14 Jun 1999 16:51:23 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I obtained a new toy and would like to have a copy of the manual. It is a WWV Standard Frequency Calibrator Model RH-10 made by Browning Laboratores Inc..

Any help or leads appreciated.

es 73 de Pete WA5JCI

6 meter VUCC # 361
2 meter VUCC # 346

Message-ID: <37657E6D.5068C8A7@pcbank.net>
Date: Mon, 14 Jun 1999 18:13:01 -0400
From: "Ray A. Allen, Sr." <w2kbr@pcbank.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: THE END...CW PLAYPEN (2)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm sorry, I know I toy with a Jack Attack, but I have listened (read) enuf abt what CW is and what CW isn't..the plain truth of the matter is that on-off keyed carrier is DIGITAL, abeit in its' simplist form. The fact the the human ear can pick up nuances(sic) of the generator of the OOK data does not bound it to the aural arena of "Language" That hypothesis is nonsense. It can be machine generated and machine copied, and granted a human ear may detect invalid characters and plug in what "it" thinks is correct, there is no sure-fire error correction system, manual or machine. Dits and dashes, dits/dahs, ones and zeros, bi-state, on/off, digital....OOK FSK DFSK PSK , KAM MCW, matters not, resultant intelligence is either "on" or "off".....digital..period....di-di-di dah-di-dah didit

```
--
***********************************
Ray A. Allen, Sr., W2KBR/3, FM19qc
8303 Grainfield Rd., Severn,
Anne Arundel County, MD, 21144-2331
***********************************

------------------------------
Message-Id: <199906150046.UAA16727@mail1.javanet.com>
From: "Larry Bearse" <lbearse@mail1.nai.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: UTC Transformer Data?
Date: Mon, 14 Jun 1999 20:46:53 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

     From my UTC 1954 Catalog B:

     The LS-31 is a mixing transformer, application: three isolated lines or
pads to multiple line
     each primary 30, 50, 200,250
     secondary 50, 125/150, 200, 250, 333, 500/600
     +- 1db 20-20khz
     max level +15db


     They list a LS-89A:
     filament transformer for three 869 rectifiers
     pri 100, 110, 120, 220, 230, 240
     secondary 5vct 60A
     insulation test voltage 35000

     Hope this helps.........Larry

------------------------------
Message-ID: <3765B75F.1ED963E@idirect.com>
Date: Mon, 14 Jun 1999 22:15:59 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radio/Historic Stories
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,
```

I've posted two short stories of a radio/historical nature.

1) "If Only Their Code Had Been Better" - A possible alternate outcome for Amelia Erhart.

2) "Operation Tracer" - A Plan To Operate a Clandestine Radio Station in German Occupied Gibraltar.

Both stories can be found at URL:

http://www3.sympatico.ca/hrc/haida/radio/reading.htm

--

Regards,
Jerry Proc VE3FAB   jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Historic Naval Ship, Toronto Ontario

Message-Id: <3.0.5.32.19990614230705.01e26e90@earthlink.net>
Date: Mon, 14 Jun 1999 23:07:05 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Hill <jshillw6ivw@earthlink.net>
Subject: Soldering to Headphone Tinsel Cord
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just spent an exasperating couple of hours attempting to solder a headphone tinsel cord to a pin that is inserted into an old headphone. I learned many don'ts; maybe someone could give me a few do's. I finally spliced a short length of wire to the cord, and soldered the other end of the wire to the pin. I was able to tin the tinsel cord, but discovered it lost all strength afterwards.
73's Jim

From: N5CM@aol.com
Message-ID: <16465ac5.24975d35@aol.com>
Date: Tue, 15 Jun 1999 03:39:33 EDT
Subject: Re: Soldering to Headphone Tinsel Cord
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Jim,

Expose some of the tinsel and wind closewound some small gauge bare copper wire. Be sure solid bare wire is clean and bright. Get solder Iron hot, apply solder flux to wire and solder.

I have used this method several times in the far distant past and it worked!

Good luck,

73,   Ken....N5CM....

P.S. Leave the cloth threads intermingled with the tinsel strands, just be sure some of the tinsel strands are in contact with the bare copper wire.

Message-Id: <l03130302b38bfd91e15e@[166.70.6.210]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 15 Jun 1999 06:23:54 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Dexter Francis <cwest@xmission.com>
Subject: Travels Abroad

Greetings all-

Just got back from a two week business excursion thru Europe and wanted to let the group know about two discoveries that are well worth the side trip if you have a few hours free in London or Orlando Florida.

The first is the Royal Air Force Museum in Hendon England. This is North of London and can be reached via the subway at a cost of a few dollars. The displays incude some radio and radar equipment from WWII, including some escape and evansion/POW gear. Everything is very well presented - I thought it was better than the National Air and Space Museum, and the admission was well worth the $6.50 (About $11) All the displays are indoors and readily accessible. The vast majority have no barriers, unlike NASM's "under glass" mentality. Take the Northern Line to Colindale (A4) - it's a zone 4 ticket - and then follow the signs out to the museum. It's about a 10-15 minute walk from the station. I took about three hours to walk the museum, but could have happily stayed longer.

The surprise find was the Flying Tigers Warbird Restoration Museum in Kissimmee Florida. The majority of this collection is really sad, as the owner has a 27 year old advanced case of collectoritis and insufficient room for everything. However there are many pieces of radio gear on display in the main office/museum. (a pristine BC-348, for example) One of the staffers used to work at a depot and appears to be a perfectionist, judging by his handiwork. The main hanger is stuffed full of airplanes in various states of restoration. I spent an hour there looking for some A-4 instrument panel parts (no joy there) but was really delighted to see the radio gear on display. If you are going to be in Orlando it's worth the side trip. Address is 233 North Hoagland Blvd, (407)933-1942. Hoagland shows on the map inside the Orlando Attraction Guide you can get at Orlando International. Its about a 25 minute drive down. (Crowded, hot and humid.)

-df

Thank you for contacting us!
Visit our Web Site at:
http://www.xmission.com/~cwest/
CWest - P.O. Box 22443 SLC, UT 84122

Date: Tue, 15 Jun 1999 07:51:53 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>,
glowbugs@piobaire.mines.uidaho.edu
Subject: Re: Soldering to Headphone Tinsel Cord
Message-ID: <Pine.SUN.4.10.9906150732000.2491-100000@indy1>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

There are two ways to do this, one simple and one a little trickier. (Actually three ways--but number three is ugly).

If you don't *have* to have tip plugs, buy one of the "fat" 1/4" mono plugs with screw terminals sold by Radio Shack, etc.. Crimp a "toothy" lug on the tinsel cord--they bite into the tinsel *through* the cloth insulation--and put the lugs under the screws. (PhoneCo sells the right kind of lugs for about eight cents each, or a nickle per if bought in quantities of 100 or so. I might be able to spare a few from my stock).

If you need tips, then carefully bare about 1/4" of the cloth an dtinsel inner. Take a long, single strand from starnded wire (old extension-cord wire starnds are about the right size) and, starting back on the cloth. wrap it tightly and closely around the end of the headphone cord. *Then* tin it, quickly but carefully. Do the same to the other one. Set 'em aside. Take the new tips (PhoneCo sells those, too, btw) and tin 'em inside. Holding the iron on one of the tips, get the solder molten, then plunge the wrapped end of the cord into it and take the iron away. (Wear eye protection--it will sputter and smoke a bit and can throw solder when it does). A vise with wood jaws is handy for holding the tips, but a spring clothespin will do.

The wire overwrapping protects and strengthens the tinsel. Those little flat copper strands in it have very little strength--it's the cloth they are woven with that takes the strain. But when you try to solder to the tinsel alone, the cloth burns away and the copper gets brittle. Overwrapping is tricky to do and will probably take a few tries, but it's the best way to go for tip connections. (Thanks to Elmer Osterhoudt for this method--he used it for decades). ...You can't use the sleeve from a "toothy" lug for this, as it takes too much heat to get it tinned & soldered and it cooks the cloth.

...You know, there is a third method--quick but ugly. You can still find solderless tip plugs with color-coded insulatiors, used for making up test leads. You just skin back the insulation and stuff the conductors under a little knurled sleeve that then screws on and holds the wire. They are kind of heavy and don't look "right," but it'd do the job.

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <000301beb72e$423809e0$205a2299@default>
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: plug and part request
Date: Tue, 15 Jun 1999 08:54:50 -0400

Hi all;

Thanks to all who responded to my query and parts offer. I will get back to each. It will take a few days to sort things out - the units are at the ship site. Will be in touch.

Paul B.

w2tu@email.msn.com

Date: Tue, 15 Jun 1999 09:05:05 -0400

From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: Simpson 260 bat...
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199906150905_MC2-7977-249B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Al & Group,

I have a Simpson 260, 260-5, 260-5M and 260-7M, and a 260-6/6M manual.
Through the Series 5, the batteries used were one "D" cell and four "AA"
cells. The Series 6 and so far as I know later use one "D" cell and one 9=

volt battery. What the differences are between the Series 2 and 3 I don't=

know. Somewhere, I've got a box of "busted" 260's. If I can find it, I'll=

see what's there. The "AA" cells are arranged around the range switch in
the 260 and around the meter in the Series 5. The 260 has pin jacks. All
the rest that I've ever seen use banana jacks.

If anyone on the list knows of a source of new battery contacts, I could
use a few.

73,
Robert Downs
WA5CAB
Houston

Message-ID: <376655EE.ADEC9DB9@his.com>
Date: Tue, 15 Jun 1999 09:32:30 -0400
From: "James R. Binkley" <w4aos@his.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: My Computer has a Boatanchor
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bear with me, Boatanchor content ahead.

I bought a new sound card as part of a general computer upgrade. I
found that contrary to the older sound cards most of the new ones don't
have an amplifier on board capable of driving a speaker. They want you
to use those wimpy amplified speakers. Not me.

I stopped by the guy who sells boatanchor audio amplifiers and stereos at the Howard County hamfest, I guess every hamfest has his equivalent. I bought a nice tube stereo amplifier for 30$. No name, no case, just a chassis. Nice though, good power supply with 5U4 and a filter choke. Each channel consists of a pair of 6BQ5's in push pull with a 6EU5 preamplifier/phase splitter. When I got home, I tested the tubes, all ok, reformed the electrolytics with my Lambda boatanchor power supply, plugged it in and it worked ok, I measured 15 watts out into a dummy load with what I consider a high fidelity passband,(<60 hz to >20khz). The sound card drives it just right, so now my computer includes a Boatanchor!

I looked the 6BQ5's up in Antique Electronic Supply, and they want $11 each for them, that means I have $44 worth in my $30 amplifier. There's plenty of room on the chassis for bigger tubes, (I like them better anyway). I scoured the tube manuals looking for their octal predecessor, but didn't find anything exactly matching. The 6BQ5 has gm of 11,000, so it has a lot of gain as well as power output. Could use a 6K6 or 6V6, but they are not real close matches. Does anybody have any better suggestions?

Bob

Message-ID: <376657C7.A2982690@his.com>
Date: Tue, 15 Jun 1999 09:40:23 -0400
From: "James R. Binkley" <w4aos@his.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ME-180/USM-116 Manual Needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I bought a couple of these multimeters at the Manassas hamfest. They look to be military versions of the Hewlett Packard VTVM, Model 410 I think. The one's with the bulbous a.c. probe containing the small tube diode and capable of reading a.c. voltages up to VHF. Mine are made by Hickok. One of them has a sticker on it saying U.S. Naval Station Guantanamo Bay, Cuba, that's certainly staying on!

One had a broken meter glass and the other had a pretty sorry looking a.c. probe, the one with the broken glass worked, so I can get at least one of these working and probably both. I always liked their Hewlett Packard equivalent when I was a working engineer and am glad to have these.

Does anyone know where I can get a manual?

Bob

Message-ID: <37665B73.3660@pacbell.net>
Date: Tue, 15 Jun 1999 06:56:03 -0700
From: Ken Corwin <kenc2@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-348 Models
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, Everyone -

The design process for what we now know as the BC-348 began 65 years ago when our airmen were flying P-26A Peashooters and Martin B-10/12 bombers. The B-10, by the way, was the first USAAC bomber that allowed the entire crew to sit inside.

In 1934 the Signal Corps invited design engineers and manufacturers to a conference to complete a technical specification for a new HF receiver. Performance parameters were established and samples requested. The only acceptable sample was RCA's BC-224-X2 to be powered from a 12-14V DC aircraft supply.

This receiver went into production in 1936 as the BC-224-A and was found wanting for a number of reasons. (Also, it was ugly--looking too much like the BC-312 was going to look. <G>)

In January, 1939, RCA won the production order for a revised specification receiver called the BC-224-B. Sometime during RCA's production the receiver was slightly redesigned to run on 28-V DC. This redesigned receiver was designated BC-348-B and, if produced in quantity, was manufactured along with the BC-224s. I don't know how many BC-348-Bs were produced by RCA--none have ever been reported for the history--but designating the BC-348 a -B sure seems to have been a logical action.

RCA won another order in August, 1940, for continued production of BC-224-Bs. And, in November, 1940, RCA won another production order for BC-224-Cs and BC-348-Cs. These -C receivers had been slightly redesigned material-wise.

Much of the information above was gleaned from H. A. Robinson's article "Radio Receiver BC-224/348," Old Timers Bulletin, Volume 27, Number 3, August, 1988. You will also find a history of these receivers in the Boatanchors archive and on a couple of web pages (not mine).

73. Ken Corwin, KF6NUR Santa Clarita, CA <kenc2@pacbell.net>

Message-Id: <199906151405.HAA25977@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Simpson 260's and VOM reliability
Date: Tue, 15 Jun 1999 07:07:08 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Meter mates;

My first multirange meter was a Heath V-7A. Naturally I learned how to use it by trial and error. More than once I heard the "clink" of the needle hitting the full range stop as I forgot to change the range switch to measure a higher voltage. That "clink" made me cringe as I thought I was surely ruining my meter. For some reason it never seemed to suffer from those accidents.

Over the years I've seen the ads for the Simpson 260-3, 4, 5 etc. with the virtues of their newer and better protection systems being extolled. I didn't know whether it was hype or if my VTVM was graced and meter protection was truly necessary. It wasn't until I worked in my first avionics shop in the Navy that I began to learn the truth. Practically every drawer in the avionics work benches contained a non-living Simpson 260. It was like going through a meter burial catacomb! Most of the dead sailors were the casualties of gravity, doubtlessly the result of being jerked off of the workbench by the test leads, their poor bakelite bodies hopelessly shattered. The rest had dysfunctional movements, some with obviously bent needles.....having heard their last "clink".

I finally came to learn the truth about meter reliability some 15 years later when I went to Scotland for a temporary assignment. There I encountered the British approach to multi-function meters. They were complicated, highly precision affairs with built-in fast acting disconnect relays for protecting the meter movement. No moronically ineffective fuses, simplistic thermal cutouts or "abuse resistant" movements. Their major drawback was they required a skilled meter mechanic to keep them in top form but at least the designs attempted to deal with the problem of meter damage.

I have never owned a VOM and I'm sure I have saved myself a lot of grief. Not entirely though, I managed to blow a resistor in my Fluke 77 DVM. At least the replacement resistor was cheap!

BTW, VTVM's don't blow up because the meter amplifier cannot deliver destructive current transients to the meter movement, they are inherently self limiting. Happy clinking!

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-Id: <199906151420.HAA00477@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: My Computer has a Boatanchor
Date: Tue, 15 Jun 1999 07:18:22 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Bob;

> ....I looked the 6BQ5's up in Antique Electronic Supply,
..........Could use a 6K6 or
> 6V6, but they are not real close matches. Does anybody have any better
> suggestions?

I have an amp like that, 6EU7's driving P-P 6V6GT's. It's from an old Magnavox console. I don't have a sound card in my 'pooter yet but that's a good idea for its use. There is no sub for the 6BQ5, the 7189A being the "hi-fied" version and now made of unobtanium. As long as the bias is correct you should get many years of use out of a set of 6BQ5's unless you leave the amp on 24 hours a day. BTW, 6EU7's are just a 12AX7 with 6 volt only heaters, don't ask me why. 73.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Date: Tue, 15 Jun 1999 10:39:04 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: My Computer has a Boatanchor
Message-ID: <Pine.BSF.3.96.990615103134.2245A-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>to >20khz). The sound card drives it just right, so now my computer
>includes a Boatanchor!

Those work great - my sound card feeds a little Bogen DB-10 - for anyone who wants to try this, beware of leaky AC bypass caps on those tube amps! They will destroy a pc sound card (speaking from experience).

Chuck
hopelessly hooked on www.yesterdayusa.com
kb4new
cswiger@widomaker.com

Date: Tue, 15 Jun 1999 11:09:14 -0400 (EDT)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: DC Boat Anchorites -- Barry Anderson K3SUI <banderso@ENI.NET>,
Bry Carling AF4K <bry@mns.net>, Dave Wojtkowski <dwojtkowski@hns.com>,
JD K1ZAT <k1zat@dsport.com>, Larry Wolken N3OJD <rhys@ix.netcom.com>,
Marcus Harton NZ4E <mharton@FREEDOMFORUM.ORG>,
Mike Cizek KO7V <ko7v@bayserve.net>,
Ray Allen W2KBR/3 <raallen@erols.com>,
Roy Morgan K1LKY <morgan@speckle.ncsl.nist.gov>,
Scott Bauer W3CV <ke3nv@erols.com>,
"Walter L. Marshall" <wmarshal@CapAccess.org>
Subject: SX-73 Ballast Tube
Message-Id: <Pine.A32.4.03.9906151101490.25228-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My newly acquired SX-73 does not have a ballast tube. This tube fits into
the octal socket labeled R80. Can someone give me
the number for this tube? Did Amperite make a replacement? I think I
remember a discussion of using a filament winding for this.
Thanks, Paul Bernhardt

```
Work:P.A. Bernhardt                Home: Paul Bernhardt, KF4FOR
     Code 6794                           5704 Ridge View Dr.
     Naval Research Laboratory           Alexandria, VA 22310
     Washington, DC 20375
Tel: 202-767-0196                        703-960-9656
FAX: 202-767-0631
```

Message-ID: <37666D7D.DAC208C3@pcbank.net>
Date: Tue, 15 Jun 1999 11:13:01 -0400
From: "Ray A. Allen, Sr." <w2kbr@pcbank.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Estate Gear
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow BA Folk:

     Once listed for value, the following BA/BA related Estate Gear
is available for purchase. Pics can be seen if required by email to
me direct. Please respond direct on items to save space on the Porch
for those who cannot run with the Big Dogs..
1. US Sig. Corp. Signal Generator, I-72-J, w/manual dated 4/14/43.
manual has schematic and Op instructions.
2. US Sig. Corp. Freq. Meter, TS-174/U, with Op guide.
3. HICKOK 533A Tube tester, in Excellant condition, consensus is that it
needs calibration. A very Nice piece of gear.
4. HICKOK "Volt-Ohm-Capacity-Milliammeter. The meter face has
"Model 49X" on it, while under the panel, an Instruction sheet
"HICKOK SG4800 or 4801 Set Tester, and shows battery arrangement and
hook up. A/C with 7.5 and 1.5 battery connections.
5. Heathkit BE-05 Battery Eliminator, Fair condition
6. Hallicrafter 'T.O. Keyer', Fair Condition
7. HW-100 w/power supply, VG condition...
8. A number of VTVM, all Heathkit, working..

Most of this stuff is very old and considering its' age is in fair
to Excellant shape, but electrical condition is unknown....but then
that's what BA folks do best, fix stuff...

Offers to the guy below, direct, Thanks from me and the Estate
es 73 Ray
--
****
Ray A. Allen, Sr., W2KBR/3, FM19qc
8303 Grainfield Rd., Severn,
Anne Arundel County, MD, 21144-2331
****

Date: Tue, 15 Jun 1999 13:35:30 -0400
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: Glitch
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199906151335_MC2-797B-7586@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Group,

I had a glitch this morning while down loading email. When it finished, I=

clicked an OK button and the monitor went dead. Had to cold boot the computer to get it back, and when it came back up, the 5 email messages that had supposedly downloaded were no where to be found. If any of you sent me anything this morning (Tuesday, 15 June), you'd probably better re-send it.

73,
Robert Downs
WA5CAB
Houston

End of BOATANCHORS Digest 2581
****